



NAAN MUDHALVAN

FACULTY DEVELOPMENT PROGRAMME

Name of the Activity	Naan Mudhalvan Faculty Development Programme
Date of Activity	24/06/24 to 29/06/24
Place	Bharathidasan University
Mode of Conduct	Off line
Time	9.00 am to 4.30 pm
Participants	Faculty : 01
Description	The Department of Physics, Bharathidasan University, in collaboration with Smart Bridge,organized a six-day Faculty Development Program (FDP) on "Drone Pilot Techniques" from24th to 29th June 2024. Faculty members from various affiliated colleges of BharathidasanUniversity actively participated in the program. Dr. S. Chitra Devi, Assistant Professor, Department of Physics, Auxilium College of Arts andScience for Women, was among the participants who benefited from the training. The sessionswere expertly conducted by Mr. Suresh Kumar, a certified trainer from 360 Flying Club. During the intensive training, Dr. S. Chitra Devigained in-depth knowledge of drone operations,exploring their significance and wide-ranging real-world applications. The FDP served as avaluable platform to bridge the knowledge gap in drone technology, equipping participants withthe skills necessary to incorporate drone-based learning into academic and research practices. Key takeaways included the practical use of drones in surveillance, rescue missions, and othercritical domains. Participants also developed a thorough understanding of the operationalmechanics of quadcopters, including the dynamics of clockwise and anticlockwise motorrotations.

Photos









INVITED TALK ON GLASS TECHNOLOGY: TRENDS, INNOVATIONS AND FUTURE DIRECTIONS

Activity Name	Invited Talk on "Glass Technology: Trends, Innovations And Future Directions"
Date of Activity	30, 08, 2024
Vonuo	Couvery College for Wemen (Autonomous) Trichy
venue	Cauvery Conege for women (Autonomous), Theny.
Mode of Conduct	Offline
Time	2.30 pm - 3.30 pm
Participants	Students : 30 Faculty: 01
Description	The Entrepreneurship Development Cell and Institutions Innovation Cell of Cauvery College, Trichy, organized a presentation on glass innovations, featuring Dr. P. Evangelin Teresa from the Department of Physics, Auxilium College of Arts and Science for Women, Regunathapuram, as the resource person. The program was inaugurated by Dr. R. Subha, IIC Convener, and followed by a presentation from Dr. P. Evangelin Teresa.
	Dr. Teresa delivered an insightful talk on glass technology and its applications in the modern world, addressing an audience that included students from various disciplines such as Physics and Chemistry. She began by exploring the "Glass Age" and the techniques used in glass preparation, emphasizing the importance of selecting the correct composition.
	She explained how modern technologies incorporate glass materials to enhance functionality, helping students understand the emerging trends in glass technology and industrial glass preparation. Dr. Teresa highlighted the need for innovation in glass technology, focusing on increasing device functionality and reducing power consumption during glass production.
	Students were also educated about the global competition in glass innovation and had the opportunity to clarify their doubts with the speaker. The session concluded with a display of fascinating, futuristic applications of glass, helping students grasp the future significance of glass technology and the challenges that lie ahead. The insights shared by Dr. Teresa were highly informative and beneficial for all attendees.
Brochure	













INSTITUTION'S INNOVATION COUNCIL (Ministry of Education Initiative)



NAAN MUDHALVAN FINAL ASSESSMENT

Name of the Activity	Naan Mudhalvan Final Assessment
Date of Activity	16.10.2024
Venue	Auxilium College of Arts and Science For Women, Regunathapuram
Mode of Conduct	Online
Time	12.00 am to 1.30 pm
External	Mrs.V. Sudarvizhi, Assistant Professor, Regunathapuram
Participants	Students: 12
Description	On October 16, 2024, a group of 12 second-year students from our college participated in the final assessment of the Microsoft Digital Skills Program, conducted as part of the Naan Mudhalvan initiative. The assessment was held online, and all registered students actively took part. The workshop, designed to enhance digital literacy among students, offered comprehensive exposure to Microsoft Office tools through interactive sessions and practical, hands-on training. Students explored the core functionalities of MS Word, Excel, and PowerPoint, enabling them to prepare professional documents, analyze data using functions and charts, and create impactful presentations. This initiative aimed at bridging the digital divide and equipping students with essential 21st-century skills. The knowledge and confidence they gained through this workshop are expected to significantly benefit their academic progress and future professional careers.
	technologies, and their successful completion of the program stands as a testament to their readiness to thrive in a technology-driven world.
Photos	Regunathapuram, Tamil Nadu, India H46F+MVX, Regunathapuram, Tamil Nadu 622302, India Lat 10.561197° Long 79.12412° 16/10/24 01:39 PM GMT +05:30



AUXILIUM COLLEGE OF ARTS AND SCIENCE FOR WOMEN



(Affiliated to Bharathidasan University, Tiruchirappalli) Regunathapuram PO., Karambakudi TK., Pudukkottai (DT) – 622302, Tamil Nadu, India.

COUNCIL

INSTITUTION'S INNOVATION



9001:2015

CERTIFIED

INSTITUTION

NAAN

MUDHALVAN ASSESSMENT

Activity name	Naan Mudhalvan Assessment
Date of activity	9 days (45 hours)
Mode of conduct	Offline
Participants	 Students : 28 Second-Year Undergraduate Students (Physics &Mathematics) – Auxilium College of Arts and Science 38 Students – Government Arts and Science College, Karambakudi.
Description	 The Nan Mudhalvan program was conducted in collaboration with Chevel Solution Company and Government Arts and Science College, Karambakkudi. Over a span of 45 hours across 9 sessions, Mr. M.C. Saravanan, a software trainer from Chevel Solutions, facilitated engaging and hands-on training in Power BI for students from both institutions. The session-wise schedule was as follows: January 21, 2025: Introduction to Power BI, career opportunities, and an overview of Data Science and AI January 28, 2025: Basics of Power BI Desktop and connecting to data sources February 4, 2025: Creating reports and understanding visualization fundamentals February 18, 2025: Report sharing, saving, and data transformation using Power Query February 25, 2025: Introduction to DAX, calculated columns, and measures March 1, 2025: Introduction to DAX, calculated columns, and measures April 2, 2025: Logical and conditional functions using DAX April 3, 2025: Overview of Power BI Service, report sharing, and project development The program empowered students with the ability to connect to diverse data sources, build interactive dashboards, and share insights, laying a strong foundation for data-driven decision-making and modern business intelligence.







FUTURE





MOULDING

SCIENTISTS - UNLOCKING CEATIVITY AND CURIOSITY

Activity Name	National Seminar on Moulding Future Scientists: Unlocking Creativity and Curiosity
Date of Activity	13.02.2025
Mode of Conduct	Offline
Time	9.30 am – 1.30 pm
Participants	Students:440 Faculty:20
Description	The Internal Quality Assurance Cell (IQAC) and Auxilium Institution'sInnovation Cell
	(AIIC) of Auxilium College of Arts and Science for Women, Regunathapuram
	Moulding Future Scientists: UnlockingCreativity and Curiosity", Dr. Daniel Chellana
	Eminent Nuclear Scientist, adistinguished figure in the realm of scientific research was
	the resource person.
	The seminar was carried out in two separate sessions for the PG & UGfinal year students
	and other students in which everyone interacted with Dr.Chellapa and got inspired. He
	explained about the possible challenges and opportunities the next generation might face
	and how it can be tackled. Heshowed the importance of launching satellites for mining
	coal.
	Dr. Chellapa highlighted the features of India's Atomic EnergyCommission where he and
	his crew under took the project to produce electricity from sand. He pointed out the
	various applications of nuclear energy and how it is changing people's lives every day. He further explained the mission about improvising the 20KWatt reactor for electricity
	production
	Dr. Chellapa interacted with the students and made them part take inactivities like testing
	the power of imagination. All the audience activelyparticipated and got benefitted from
	the session.







WORKSHOP ON DESIGN THINKING, CRITICAL THINKING AND INNOVATION DESIGN

Activity Name	Workshop on Design Thinking, Critical thinking and Innovation Design
Date of Activity	17.02.2025
Mode of Conduct	Offline
Level of Activity	Level - 2
Participants	Faculty:04
	Students:58
Description	On February 17, 2025, the Auxilium Institution's Innovation Council, in collaboration
	with the Department of Physics, organized an insightful and engaging workshop titled
	"Workshop on Design Thinking, Critical Thinking, and Innovation Design." The event
	aimed to equip students with innovative problem-solving approaches and critical thinking
	strategies to enhance creativity and decision-making.
	The resource person, Ms. R. Allirani, Convener, AIIC, was warmly welcomed by Ms. P.
	Punitha, Innovation Ambassador, AIIC, who emphasized the significance of design
	thinking across various fields and its role in fostering creativity and structured problem-
	solving.Ms. Allirani delivered an engaging session, covering essential concepts, including:
	Introduction to Design Thinking - Understanding its core principles and impact on
	fostering innovation.
	The Five Steps of Design Thinking:
	Empathize – Understanding user needs and emotions.
	Define – Clearly articulating the problem.
	Ideate – Brainstorming creative solutions.
	Prototype – Developing tangible representations of ideas.
	Test – Refining solutions based on user feedback.
	Creative Analogy - The Cake Shop
	To make the concept more relatable, Ms. Allirani compared design thinking to running a
	cake shop, illustrating how understanding customer needs, experimenting with flavors
	(prototyping), and refining recipes based on feedback mirror the design thinking process.
	Interactive Engagement and Conclusion
	The workshop was highly interactive, with students actively participating in discussions
	and a lively Q&A session. The event concluded with a Vote of Thanks delivered by Ms. D.
	Jonshi, Assistant Professor, Auxilium College of Arts and Science for Women, who
	expressed gratitude to Ms. Allirani, the organizers, and the enthusiastic participants.
	The workshop was a resounding success, providing students with practical insights into
	design thinking, critical thinking, and innovation strategies, inspiring them to apply these
	approaches in real-world problem-solving.







NATIONAL SCIENCE DAY

Activity Name	National Science Day
Date of Activity	27.02.2025&28.02.2025
Mode of Conduct	Offline
Level of Activity	Level - 3
Participants	Faculty:15 Students: 153
Description	The Auxilium Institution's Innovation Council, in collaboration with the Departments of Mathematics, Physics, Computer Science, and Applications, jointly organized a two-day event to celebrate National Science Day on February 27 and 28, 2025. The event was conducted under the theme "Building Public Trust in Science", emphasizing the role of scientific advancements in society and the importance of fostering trust through knowledge and awareness.
	Day I: Engaging Competitions to Inspire Scientific Thinking
	The first day featured two exciting competitions organized by different departments to encourage student participation and critical thinking.
	Quiz Competition by the Department of Computer Applications The Department of Computer Applications conducted a Quiz Competition, which comprised two rounds:
	 Round 1: A Preliminary MCQ Round, where students answered multiple-choice questions to qualify for the next round. Round 2: A Riddle-based Challenge, designed to test problem-solving abilities and leaves and states are stated as a state of the sta
	The competition was judged by esteemed faculty members from various disciplines, including Ms. A. Princiya, Innovation Ambassador; Ms. P. Punitha, Innovation Ambassador; and Ms. D. Keerthi, Assistant Professor, Department of Computer Science.
	Connection Game Show by the Department of Computer Science
	The Department of Computer Science organized a Connection Game Show, an interactive and thought-provoking competition designed to assess students' analytical skills and scientific reasoning. The event was judged by Ms. P. Punitha, Innovation Ambassador, and Ms. N. Sengamala Selvi, Head, Department of Computer Applications.
	Day II: Resource Person Session and Thought-Provoking Competitions
	The second day of the event commenced with an enlightening session by Dr. S. Padmavathi, ARIIA Coordinator, Auxilium Institution's Innovation Council, who delivered an insightful talk on the importance of scientific advancements and their impact

on society. Her speech encouraged students to explore innovative ideas and contribute to scientific progress.

MIME Competition by the Department of Mathematics

The Department of Mathematics conducted a MIME Competition based on the theme "The Light of Truth". This competition aimed to convey powerful messages related to the significance of truth and scientific knowledge through creative performances. The competition was judged by Ms. P. Punitha, Innovation Ambassador.

Debate Competition by the Department of Physics

The Department of Physics hosted a Debate Competition on the topic "The Role of Social Media: Can It Help Build Public Trust in Science?". The competition encouraged students to engage in critical discussions on the influence of digital platforms in shaping public perception of science. The event was judged by Dr. A. Leema Rose, NIRF Coordinator, Auxilium Institution's Innovation Council.

Conclusion and Prize Distribution

The two-day celebration witnessed enthusiastic participation from students, who showcased their knowledge, creativity, and analytical skills. Winners were honored with prizes and certificates, which were distributed by the Principal, Vice Principal, and the Resource Person.

The event provided students with a valuable platform to enhance their scientific acumen, develop critical thinking, and gain deeper insights from expert speakers. The National Science Day celebration proved to be an informative, interactive, and intellectually stimulating experience that successfully promoted scientific curiosity and innovation among students.













EXPOSURE VISIT

Activity Name	Exposure Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre
	such as Atal Incubation Centre etc.
Date of Activity	20 March, 2025
Mode of Conduct	Offline
Level of Activity	Level - 3
Participants	Faculty:02
	Students:48
Description	On March 20-21, 2025, the Auxilium Institutions Innovation Council in association with
	the Department of Physics organized an educational field trip to the Munnar Botanical
	Garden in Kochi. For many of us, it was our first experience visiting a botanical garden,
	and it proved to be an enriching and inspiring journey. The trip provided a unique
	opportunity to explore the intersection of traditional knowledge, scientific innovation, and
	design thinking. During our visit, we gained valuable insights into entrepreneurship in the
	field of herbal medicine and the significant role of medicinal plants in both academic
	research and practical applications. The garden serves not only as a repository of
	biodiversity but also as a living laboratory, offering immense potential for educational and
	conservation-oriented projects.
	The visit introduced us to various research methodologies, particularly those related to
	ethno botany and phytochemical analysis. We discovered how medicinal plants can be
	studied, preserved, and even commercialized through innovative, sustainable practices.
	The presence of a container garden allowed for hands-on learning, where students closely
	observed the growth patterns, properties, and potential uses of several medicinal herbs.
	This hands-on approach reflects the principles of design thinking, empathizing with
	nature, defining real-world problems (like preserving biodiversity or creating eco-friendly
	solutions), ideating ways to utilize resources, prototyping through practical models, and
	testing through research-based applications. One of the key areas discussed during the
	visit was the green synthesis of nanoparticles using medicinal plants. This sustainable
	technique uses plant extracts as reducing agents to synthesize nanoparticles, eliminating
	the need for harmful chemicals and aligning with eco-friendly innovation.
	Examples of Medicinal Plants Used in Green Nanoparticles Synthesis:
	➢ Aloe vera
	Ocimum sanctum (Holy Basil)
	> Solanumtrilobatum
	> Alternantherasessilis
	Centellaasiatica
	These plants are rich in phytochemicals and have shown great potential in reducing metal

ions to form nanoparticles. This field of study is a perfect example of how traditional





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NAAN MUDHALVAN FINAL ASSESSMENT

Name of the Activity	Naan Mudhalvan Final Assessment
Date of Activity	07.04.2025
Venue	Auxilium College of Arts and Science For Women, Regunathapuram, Karambakudi
Mode of Conduct	Offline
Time	9.00 am to 1.30 pm
External	R. Saranya, Assistant Professor, Department of Physics, Queens College of Arts and Science College For Women, Punalkulam.
Participants	Students: 48
Description	As part of the Naan Mudhalvan initiative by the Tamil Nadu Government, the Skill Development Examination in Drone Application and Aerial Survey was successfully conducted for final year B.Sc. Mathematics and Physics students. The course, categorized under the Mathematics stream, was held offline over a period of 9 weeks, from February 12 to April 1, 2025. The final assessment took place on April 7, 2025, at Auxilium College.
	Students were assessed through a written examination where one question was assigned from each of the nine units in the syllabus. Additionally, the viva voce was conducted based on the students' written responses, allowing for a deeper evaluation of their understanding.
	A total of 48 students enrolled in and successfully completed the course. The program offered comprehensive insights into drone technology and aerial survey techniques, significantly enhancing students' technical skills and analytical capabilities.

Photos



